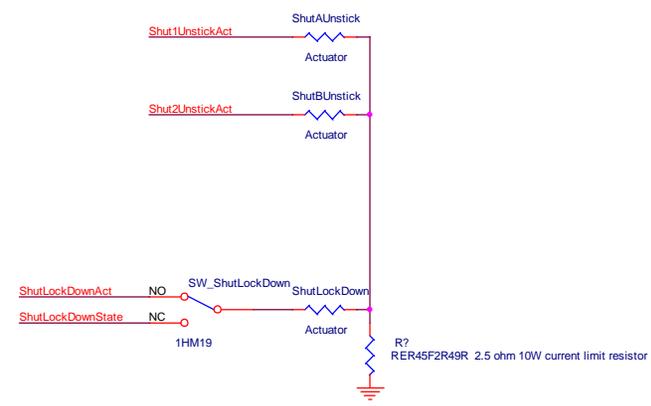
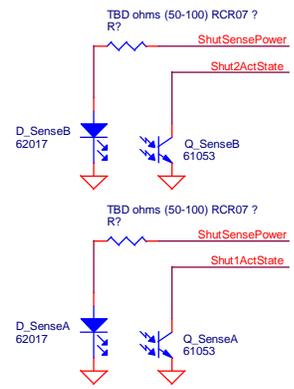


Notes on nomenclature:

- Shutter B carries the thin attenuators, Shutter A carries the thick.
- Shutter A corresponds to Shut1 in the harness specification, Shutter B to Shut2
- The In position is with the attenuator disks over the detectors
- ShutAIn actuator moves Shutter A towards the "In" direction when activated
- Activation of ShutLockDown unlocks the shutters
- Activation of ShutAUnstick pulls shutter A back into the default location, and locks it there
- SW_ShutAIn is in the closed (NC) position until shutter A reaches the In position
- SW_ShutLockDown is in the closed (NC) position until the shutters are locked.
- The default shutter position, where they are held prior to activating ShutLockDown, as well as where the Unstick actuators take them, is:
Shutter A is In
Shutter B is Out
- The Optocouplers are blocked when the in/out actuators are relaxed (ready to be activated).



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